REMARKS

Claims 1-19 and 27-44 are pending. Claims 20-26 have been withdrawn. Claims 1, 3, 4, 10, 11, 13, 17, 19, and 27-44 have been amended. No new matter has been added.

Claim 3 was objected to because of an informality. Claim 3 has been appropriately amended. Withdrawal of the objection to claim 3 is respectfully requested.

Claims 19 and 27 have been rejected under 35 U.S.C. § 101 "because computer readable medium carries a data signal, which is non-statutory subject matter". The claims have been appropriately amended. Withdrawal of the rejection of claims 19 and 27 under 35 U.S.C. § 101 is respectfully requested.

Claims 1-19 and 27-44 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Vemuri et al. (U.S. Patent Pub. No. 2004/0054643) in view of Bohannon et al. (U.S. Patent Pub. No. 2002/0091718). It is respectfully submitted that claims 1-19 and 27-44 are allowable over the art of record for the reasons set forth below.

Independent claims 1 and 27 have been amended to include the features of maintaining a side page table that comprises information regarding whether each data element is definitely in the difference storage and whether each data element is potentially in the difference storage (see application, as originally filed, at paragraph [0041], for example). The prior art, taken alone or in combination, fails to disclose or suggest such features.

Vemuri is directed to transaction logging in a database system, and describes undo and redo records. As acknowledged by the Office Action, with respect to dependent claim 4, Vemuri does not teach a page table (Office Action, page 6, lines 2-3).

Bohannon describes detecting and recovering from data corruption of a database by logging information about the reads of a database in memory. Bohannon describes a "dirty page table" that is maintained for the database which records the pages that have been updated since the last checkpoint (paragraphs [0030], [0074], and [0081]). However, the page table does not comprise information regarding whether each page is definitely in a difference storage and whether each page is potentially in a difference storage, as claimed.

Thus, both Vemuri and Bohannon, taken alone or in combination, fail to disclose or suggest maintaining a side page table that comprises information regarding whether each data
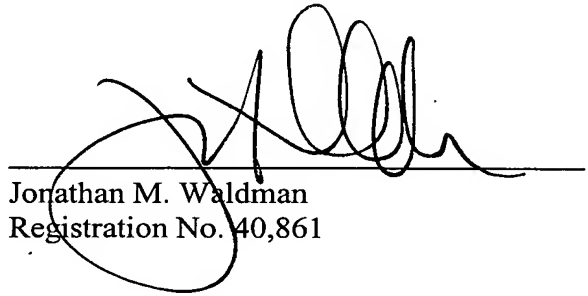
element is definitely in the difference storage and whether each data element is potentially in the difference storage.

Based on the foregoing, claims 1 and 27 should not be rejected as being unpatentable over Vemuri in view of Bohannon. Thus, claims 1 and 27, along with their dependent claims, are patentable for the reasons set forth above. Withdrawal of the rejections of claims 1-19 and 27-44 under 35 U.S.C. § 103(a), is respectfully requested.

In view of the foregoing amendments and remarks, Applicants submit that the above-identified application is in condition for allowance. Early notification to this effect is respectfully requested.

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